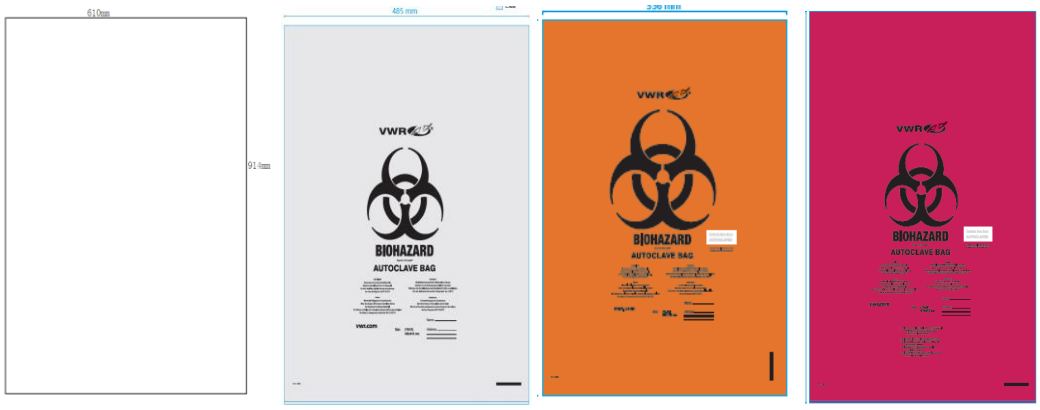
VWR® Autoclavable Biohazard Bags



DESCRIPTION:

VWR Autoclavable bag, with Printing & without printing, Polypropylene (PP) material, Various size, For use at 134℃, Clear & Yellow & Orange.

No appearance changes and leakage after bag under 134℃ for 10 minutes autoclave.

The temperature indicator on VWR Autoclavable biohazard bags will change from white to darken after autoclave exposure through an autoclave cycle for the items which printing with temperature indicator.

Raw material: Polypropylene (PP)

TYPICAL PRODUCT CHARACTERISTICS:

PROPERTIES	Specification		UNITS	TEST METHOD
Weld strength	>12N/15mm		N	ASTM D1922 / ISO 6383-2
Tensile strength	MD&TD	25MP/15mm	MP	
Tensile Elongation	MD&TD	>600%/15mm	N/A	
Dart Impact Strength	>165g (distance: 660mm)		grams	ASTM D1709

REGULATORY COMPLIANCE:

In a field where bag failure cannot be tolerated, we are recognized for products that have been specifically engineered for use in critical Level 3 and 4 containment research labs.

VWR Autoclavable Biohazard Bags have the biohazard symbol printed on them as well as usage instructions as required by OSHA for proper handling and personnel safety. VWR Autoclavable Biohazard Bags are Regulated by State and Federal Laws, and determination of the correct product for any application should first be reviewed by the facility Safety Officer. MSDS and Technical Data sheets are available by request, for incorporating into written SOP's by Safety Officers.

(*) Compliant with Federal DOT Regulation 49 CFR 173.197

- All VWR Autoclavable Biohazard Bags with printing have **OSHA required markings** printed in 4 languages (English, French, German and Spanish).
- All VWR Autoclavable Biohazard Bags with printing have the white temperature Indicator, and the indicator will be changed from white to darken after autoclave exposure.

(**) Compliant with California Health and Safety Code 117630 (effective January 1, 2015)

(***) Compliant with Florida Dept. Health Code # 64E-16.004-2C Registration # PP-2-R1-04

(****) Compliant with CDC Procedural Guidance on the Proper Packaging of Highly Infectious Waste

(*****) Compliant with EU Hazardous Waste Directive and International WHO Directive for Safe Management of Healthcare Waste for Autoclaving and or Incineration

VWR Autoclavable biohazard bag Use Recommendations for Autoclave Operation:

Add at least ½ liter of water to VWR Autoclavable Biohazard Bags prior to putting in autoclave. Bags need to be able to vent steam; best practice is to close off by putting a test tube in top and wire close, remove test tube, place in autoclave with wire closed end up for good ventilation. Check with facility safety officer about spore kill testing requirements in your local, State or Country region.

VWR Autoclavable bag (Thickness: 1.5mil=37.5um):

VWR EU Cat. No.	Length*Width (inch)	Length*Width (mm)	Bag Color	Capacity (L)	Biohazard Printing	Indicator Printing	Qty/Pk	Qty/Case	REGULATORY COMPLIANCE
129-4039	24*36	610*914	Clear	45L	No	No	100	500	N/A

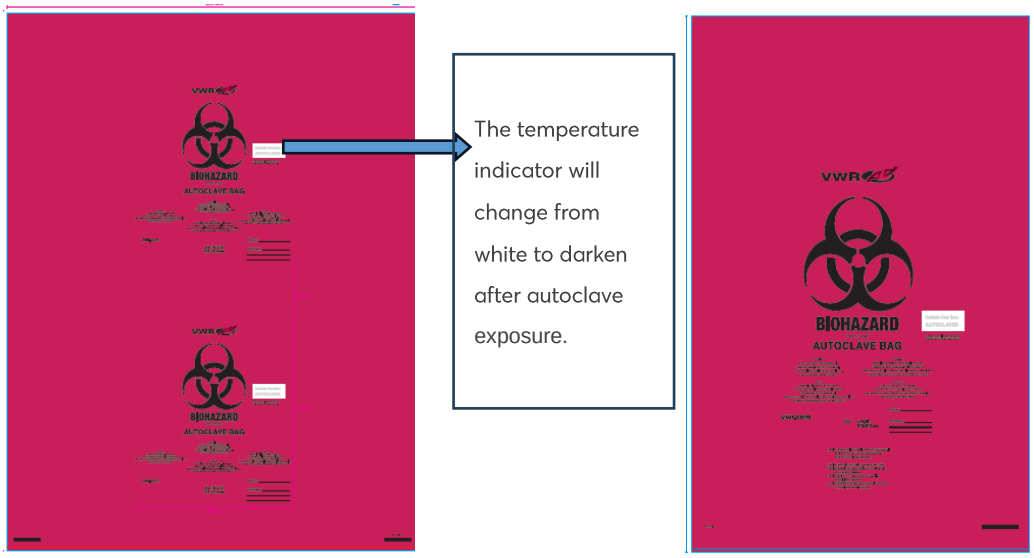
VWR Autoclavable bag (Thickness: 2.0mil=50um):

VWR EU Cat. No.	Length*Width (inch)	Length*Width (mm)	Bag Color	Capacity (L)	Biohazard Printing	Indicator Printing	Qty/Pk	Qty/Case	REGULATORY COMPLIANCE
129-4043	12*24	305*610	Clear	8L	No	No	**100**	**100**	N/A
129-4032	24*30	610*765	Clear	34L	No	No	100	100	N/A
129-4038	24*36	610*915	Clear	45L	No	No	100	100	N/A
129-4040	14*19	356*485	Clear	11L	Yes	No	200	200	N/A
129-4033	19*24	485*610	Clear	27L	Yes	No	200	200	N/A
129-4030	25*35	635*890	Clear	45L	Yes	No	200	200	N/A
129-4027	36*45	915*1150	Clear	210L	Yes	No	100	100	N/A

VWR Autoclavable biohazard bag (Thickness: 2.0mil=50um):

VWR EU Cat. No.	Length*Width (inch)	Length*Width (mm)	Bag Color	Capacity (L)	Biohazard Printing	Indicator Printing	Qty/Pk	Qty/Case	REGULATORY COMPLIANCE
129-4042	14*19	356*485	Orange	11L	Yes	Yes	200	200	COMPLIANCE
129-4028	19*24	485*610	Orange	27L	Yes	Yes	200	200	COMPLIANCE
129-4026	25*35	635*890	Orange	80L	Yes	Yes	200	200	COMPLIANCE
129-4034	36*45	915*1150	Orange	210L	Yes	Yes	100	100	COMPLIANCE
129-4031	24*36	610*915	Clear	60L	Yes	Yes	200	200	COMPLIANCE
129-4035	37*48	940*1220	Yellow	200L	Yes	Yes	100	100	COMPLIANCE
129-4036	24*36	610*915	Yellow	60L	Yes	Yes	200	200	COMPLIANCE

VWR® Autoclavable Biohazard Bags with Autoclave indicator



DESCRIPTION:

VWR Autoclavable biohazard bag, with Printing, Polypropylene (PP) material, Various size, For use at 134℃, Red color.

No appearance changes and leakage after bag under 134℃ for 10 minutes autoclave.

The temperature indicator on VWR Autoclavable biohazard bags will change from white to darken after autoclave exposure through an autoclave cycle.

Raw material:

Polypropylene (PP)

TYPICAL PRODUCT CHARACTERISTICS:

PROPERTIES	Specification		UNITS	TEST METHOD
Weld strength	>12N/15mm		N	ASTM D1922 / ISO 6383-2
Tensile strength	MD&TD	25MP/15mm	MP	
Tensile Elongation	MD&TD	>600%/15mm	N/A	
Dart Impact Strength	>165g (distance: 660mm)		grams	ASTM D1709

REGULATORY COMPLIANCE:

In a field where bag failure cannot be tolerated, we are recognized for products that have been specifically engineered for use in critical Level 3 and 4 containment research labs. VWR Autoclavable Biohazard Bags have the biohazard symbol printed on them as well as usage instructions as required by OSHA for proper handling and personnel safety. VWR Autoclavable Biohazard Bags are Regulated by State and Federal Laws, and determination of the correct product for any application should first be reviewed by the facility Safety Officer. MSDS and Technical Data sheets are available by request, for incorporating into written SOP's by Safety Officers.

All VWR Autoclavable Biohazard Bags are manufactured to meet all of your needs in this regard. Many states, like California, Pennsylvania and Florida, require very specific tear strength (480 grams in both directions), as well as the labeling that applies to the regulation itself. In the image below, you can see that all required labeling comes printed on each of these bags:

(*) Compliant with Federal DOT Regulation 49 CFR 173.197

for HazMat Handling and Markings. They exceed the 480 grams tear test as defined by ASTM D1922 in both length (MD) and width (TD) directions.

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- All VWR Autoclavable Biohazard Bags with printing have the white temperature Indicator, and the indicator will be changed from white to darken after autoclave exposure.

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VWR Autoclavable biohazard bag Use Recommendations for Autoclave Operation:

Add at least ½ liter of water to VWR Autoclavable Biohazard Bags prior to putting in autoclave. Bags need to be able to vent steam; best practice is to close off by putting a test tube in top and wire close, remove test tube, place in autoclave with wire closed end up for good ventilation. Check with facility safety officer about spore kill testing requirements in your local, State or Country region.

VWR Autoclavable biohazard bag (Thickness: 2.0mil=50um):

VWR EU Cat. No.	Length*Width (inch)	Length*Width (mm)	Bag Color	Capacity (L)	Biohazard Printing	Indicator Printing	Qty/Pk	Qty/Case	REGULATORY COMPLIANCE
129-4044	12*24	305*610	Red	12L	Yes	Yes	200	200	COMPLIANCE
129-4037	38*48	965*1220	Red	260L	Yes	Yes	100	100	COMPLIANCE

VWR Autoclavable biohazard bag (Thickness: 3.0mil=75um):

VWR EU Cat. No.	Length*Width (inch)	Length*Width (mm)	Bag Color	Capacity (L)	Biohazard Printing	Indicator Printing	Qty/Pk	Qty/Case	REGULATORY COMPLIANCE
VWRI129-4029	24*36	610*915	Red	60L	Yes	Yes	50	250	COMPLIANCE
VWRI129-4041	38*48	965*1220	Red	200L	Yes	Yes	50	50	COMPLIANCE